



# Weekly Coal Production

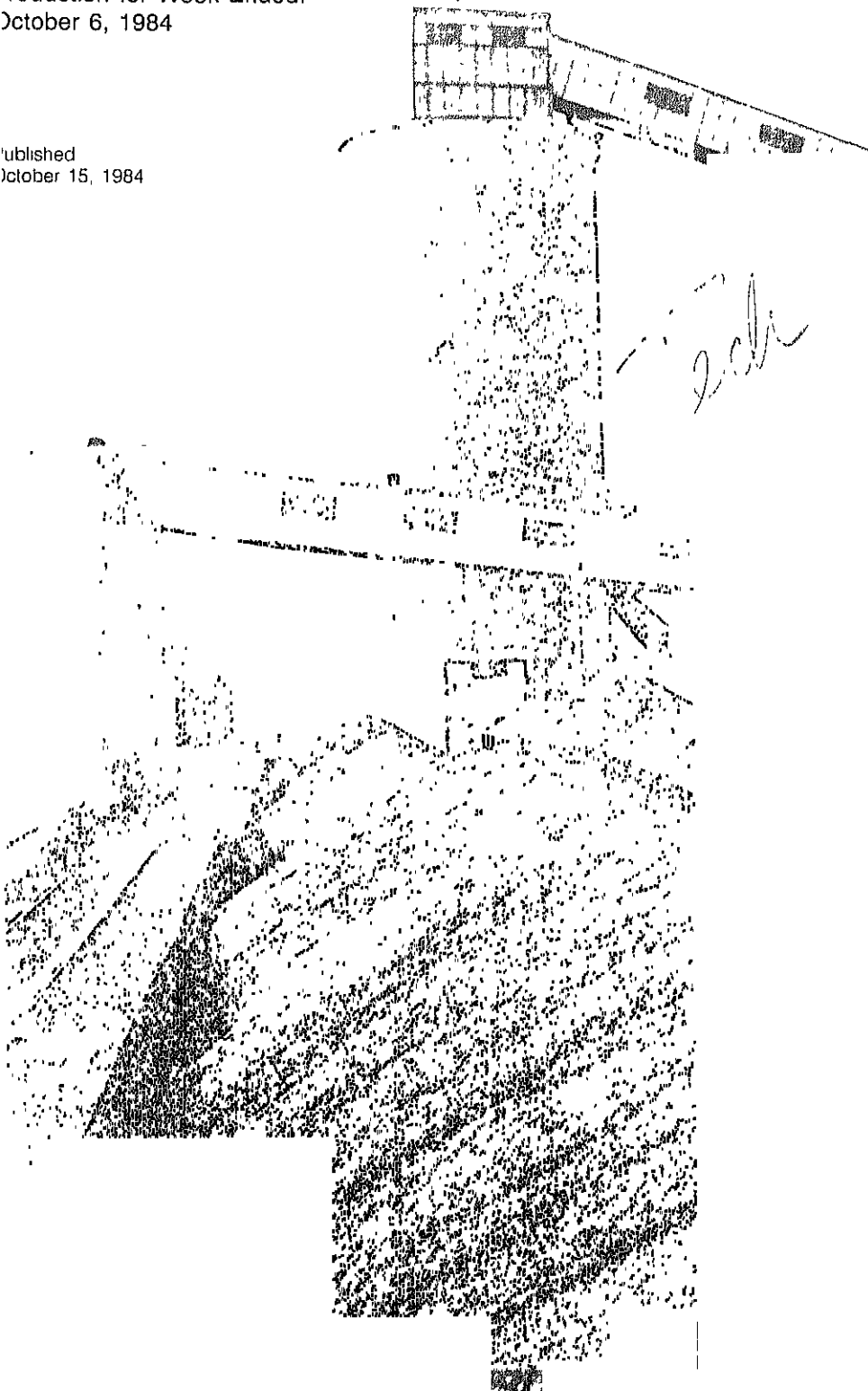
Energy Information Administration  
Washington, D C.



Contains Supplementary Data

Production for Week Ended:  
October 6, 1984

Published  
October 15, 1984



## Preface

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### The WCP

The *Weekly Coal Production* (WCP) provides weekly production estimates of U.S. coal by rank, as well as supplementary data which are published twice a month. Supplement 1 includes monthly statistics on U.S. coal production and aggregated annual historical data on coal supply and demand, consumption, stocks, imports, and exports. Supplement 2 contains monthly data covering electric utility coal consumption, stocks, and receipts; and coal imports and exports.

This report is prepared by the Coal Division, Office of Coal, Nuclear, Electric and Alternate Fuels, Energy Information Administration (EIA) to fulfill its data collection and dissemination responsibilities as specified in the Federal Energy Administration Act of 1974 (P.L. 93-275) as amended. *Weekly Coal Production* is intended for use by industry, press, State and local governments, and consumers. Other reports that may be of interest are the quarterly *Coal Distribution Report* and the *Quarterly Coal Report*.

General information about this report may be obtained from Robert Harris, Chief, Data Systems Branch (202/252-2982). For specific information regarding the preparation and contents of this publication, contact Ann Ducca (202/252-6875) or Judith Wood (202/252-5228).

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**Note:** The methodology for making weekly and monthly data estimates for this report is shown in this edition (see pages 15-18).

This report was prepared by the Energy Information Administration, the independent statistical and analytical agency within the Department of Energy. The information contained herein should not be construed as advocating or necessarily reflecting any policy position of the Department of Energy or any other organization.

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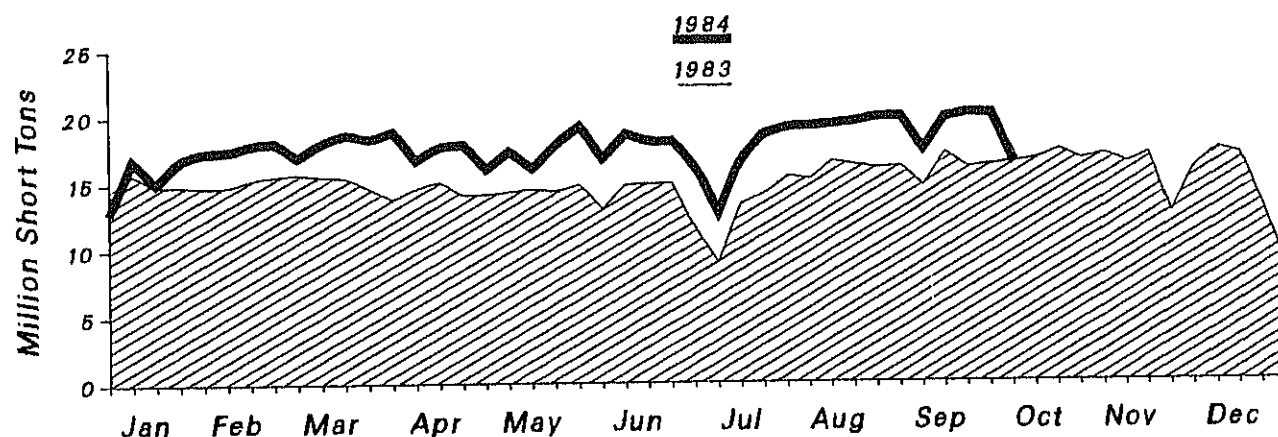
**Weekly Coal Production**  
**Energy Information Administration**

# Highlights

Production of bituminous coal and lignite in the week ended October 6, 1984, as estimated by the Energy Information Administration, was 16,425,000 short tons. This was a decrease of 3,611,000 short tons or 18.0 percent from production in the previous week. Production in the corresponding week of 1983 was 16,416,000 short tons. Bituminous coal and lignite production from January 1 through October 6, 1984 totaled 708,848,000 short tons, 19.6 percent above production in the same period of 1983.

Production of Pennsylvania anthracite in the week ended October 6, 1984, as estimated by the Energy Information Administration, was 95,000 short tons, 6,000 short tons or 5.9 percent less than production in the previous week. Production in the corresponding week of 1983 was 95,000 short tons. Anthracite production from January 1 through October 6, 1984 totaled 3,045,000 short tons, 1.2 percent above production in the same period in 1983.

**Figure 1. Bituminous Coal and Lignite Production**



**Table 1. Bituminous Coal<sup>1</sup> and Lignite Production**

Production and Carloadings	Week Ended			Year to Date		
	10/06/84	09/29/84	10/08/83	1984	1983	Percent Change
U.S. Total Production (Thousand Short Tons).....	16,425	20,036	16,416	708,848	592,744	19.6
Railroad Carloadings (Number of Cars Loaded)...	108,378	135,135	109,258	4,733,679	3,986,062	

<sup>1/</sup> Includes subbituminous coal.

Note: Data for 1984 are preliminary.

Sources: Association of American Railroads, Transportation Division, Weekly Statement CS-54A; Energy Information Administration, Form EIA-6, "Coal Distribution Report"; and State mining agency coal production reports.

**Table 2. Bituminous Coal<sup>1</sup> and Lignite Production by State**  
(Thousand Short Tons)

Coal-Producing Region and State	Week Ended		
	10/06/84	09/29/84	10/08/83
Appalachian Total.....	7,485	10,424	8,178
Alabama.....	579	572	501
Georgia.....	4	4	1
Kentucky, Eastern.....	2,078	2,921	2,061
Maryland.....	68	91	63
Ohio.....	622	920	734
Pennsylvania.....	1,256	1,730	1,460
Tennessee.....	161	155	143
Virginia.....	519	844	784
West Virginia.....	2,199	3,187	2,430
Interior Total.....	3,731	4,553	3,541
Arkansas.....	3	4	2
Illinois.....	1,357	1,549	1,162
Indiana.....	659	859	659
Iowa.....	10	12	8
Kansas.....	17	16	25
Kentucky, Western.....	799	745	730
Missouri.....	70	119	97
Oklahoma.....	116	109	61
Texas.....	701	1,140	798
Western Total.....	5,208	5,059	4,697
Alaska.....	21	17	18
Arizona.....	241	282	258
Colorado.....	233	293	333
Montana.....	690	623	615
New Mexico.....	538	618	452
North Dakota.....	432	412	457
Utah.....	245	284	225
Washington.....	81	94	86
Wyoming.....	2,726	2,435	2,253
U.S. Total.....	16,425	20,036	16,416

<sup>1/</sup> Includes subbituminous coal.

Notes: 1984 data are preliminary. Total may not equal sum of components because of independent rounding.

Sources: Association of American Railroads, Transportation Division, Weekly Statement CS-54A; Energy Information Administration, Form EIA-6, "Coal Distribution Report"; and State mining agency coal production reports.

**Table 3. Pennsylvania Anthracite Production**

Production and Carloadings	Week Ended			Year to Date		
	10/06/84	09/29/84	10/08/83	1984	1983	Percent Change
U.S. Total Production (Thousand Short Tons).....	95	101	95	3,045	3,008	1.2
Railroad Carloadings (Number of Cars Loaded).....	141	186	220	6,871	7,290	

Note: Data for 1984 are preliminary.

Sources: Association of American Railroads, Transportation Division, Weekly Statement CS-54A; and Energy Information Administration, Form EIA-6, "Coal Distribution Report."

**Table 4. Coal Production by Region and State**  
(Thousand Short Tons)

Coal-Producing Region and State	September 1984	August 1984	September 1983	Year to Date		
				1984	1983	Percent Change
Bituminous and Lignite						
Appalachian Total . . . . .	41,525	46,400	33,778	357,864	277,430	29.0
Alabama	2,367	2,624	2,125	20,108	17,647	13.9
Georgia	19	27	17	165	174	-4.9
Kentucky, Eastern	11,388	13,126	8,726	98,838	70,097	41.0
Maryland	380	406	303	3,673	2,232	64.6
Ohio	3,656	3,904	3,113	31,851	24,738	28.8
Pennsylvania	6,951	7,555	5,585	59,114	47,970	23.2
Tennessee	649	708	607	5,773	4,880	18.3
Virginia	3,310	3,719	3,002	28,950	25,385	14.0
West Virginia	12,804	14,331	10,299	109,392	84,309	29.8
Interior Total . . . . .	17,597	19,615	15,914	151,186	130,032	16.3
Arkansas	15	18	9	148	66	125.1
Illinois	5,845	6,445	5,031	50,405	42,548	18.5
Indiana	3,336	3,573	3,015	28,233	23,738	18.9
Iowa	55	74	40	433	288	50.3
Kansas	62	74	122	605	963	-37.2
Kentucky, Western	3,030	3,643	3,085	29,952	26,576	12.7
Missouri	467	517	502	3,887	3,795	2.4
Oklahoma	427	505	359	3,786	2,944	28.6
Texas	4,360	4,765	3,752	33,736	29,115	15.9
Western Total . . . . .	19,850	23,157	20,235	183,373	167,574	9.4
Alaska	65	71	59	632	565	12.0
Arizona	1,088	1,202	1,104	8,918	8,241	8.2
Colorado	1,202	1,528	1,381	13,178	12,633	4.3
Montana	2,454	2,906	2,910	22,875	21,358	7.1
New Mexico	2,378	2,623	1,729	17,177	14,858	15.6
North Dakota	1,611	1,869	1,805	14,734	13,575	8.5
Utah	1,152	1,430	954	10,405	8,996	15.7
Washington	354	381	337	3,052	2,842	7.4
Wyoming	9,545	11,148	9,956	92,402	84,505	9.3
Bituminous and Lignite Total . . . . .	78,971	89,172	69,927	692,422	575,037	20.4
Pennsylvania Anthracite Total . . . . .	402	458	385	2,951	2,905	1.6
U.S. Total . . . . .	79,373	89,630	70,312	695,373	577,941	20.3

Note. Total may not equal sum of components because of independent rounding.  
Sources. Association of American Railroads, Transportation Division, Weekly Statement CS-54A, Energy Information Administration, Form EIA-6, "Coal Distribution Report", and State mining agency coal production reports.

**Table 5. Coal Supply and Demand: 1973-1984**  
(Thousand Short Tons)

Year and Month	Production	Domestic Consumption	Imports	Exports <sup>1</sup>	Consumer Stocks <sup>2</sup>
1973 . . . . .	598,568	562,584	127	53,587	104,335
1974 . . . . .	610,023	558,402	2,080	60,661	96,323
1975 . . . . .	654,641	562,641	940	66,309	128,050
1976 . . . . .	684,913	603,790	1,203	60,021	134,438
1977 . . . . .	697,205	625,291	1,647	54,312	157,098
1978 . . . . .	670,164	625,225	2,953	40,714	145,551
1979 . . . . .	781,134	680,524	2,059	66,042	181,646
1980 . . . . .	829,700	702,729	1,194	91,742	204,028
1981 . . . . .	823,775	732,627	1,043	112,541	185,274
<b>1982</b>					
January	67,138	68,692	71	6,177	173,931
February	71,169	59,746	30	8,964	173,193
March	83,943	58,236	12	10,423	179,484
April	73,587	53,274	10	10,831	186,458
May	71,127	54,844	109	10,110	192,926
June	71,720	55,950	9	10,680	198,377
July	60,535	63,828	69	9,182	189,997
August	72,898	63,528	131	7,385	190,310
September	67,951	56,734	71	8,683	189,967
October	70,852	55,034	66	9,972	195,107
November	64,055	56,831	87	7,807	196,700
December	63,136	60,214	76	6,064	195,254
<b>Total</b>	<b>838,112</b>	<b>706,911</b>	<b>742</b>	<b>106,277</b>	<b>195,254</b>
<b>1983</b>					
January	<sup>a</sup> 62,731	63,019	78	4,471	191,902
February	<sup>a</sup> 60,654	54,692	71	4,382	191,574
March	<sup>a</sup> 68,896	55,434	120	6,291	192,315
April	<sup>a</sup> 61,837	52,816	144	6,115	193,402
May	<sup>a</sup> 63,210	54,327	102	6,952	196,982
June	<sup>a</sup> 61,797	58,237	133	7,279	197,033
July	<sup>a</sup> 55,213	69,478	87	6,140	181,222
August	<sup>a</sup> 73,291	72,947	115	8,380	175,067
September	<sup>a</sup> 70,312	63,317	97	7,525	173,743
October	<sup>a</sup> 71,754	60,454	190	8,131	179,166
November	<sup>a</sup> 68,684	61,411	32	5,838	179,281
December	<sup>a</sup> 63,713	70,541	102	6,269	168,654
<b>Total</b>	<sup>a</sup> <b>782,091</b>	<b>736,672</b>	<b>1,271</b>	<b>77,772</b>	<b>168,654</b>
<b>1984</b>					
January	<sup>a</sup> 68,154	72,033	81	5,062	162,082
February	<sup>a</sup> 73,933	63,096	140	4,251	168,473
March	<sup>a</sup> 81,864	65,121	55	5,813	172,862
April	<sup>a</sup> 71,939	58,906	148	7,688	180,347
May	<sup>a</sup> 80,204	60,138	72	8,221	189,685
June	<sup>a</sup> 75,586	66,634	49	7,828	192,271
July	74,691	NA	193	8,318	NA
August	89,630	NA	NA	NA	NA
September	79,373	NA	NA	NA	NA

<sup>1</sup> 1973 through 1977 excludes lignite but includes anthracite shipments to U.S. Armed Forces overseas

<sup>2</sup> The Residential and Commercial Sector is not included. Stocks are reported as of the last day of the period

<sup>1a</sup> Not available

<sup>a</sup> Revised

Note: Total may not equal sum of components because of independent rounding

Sources: ● Production: Energy Information Administration (EIA) Form EIA-6, "Coal Distribution Report"; and State mining agency coal production reports ● Imports: Bureau of the Census, U.S. Department of Commerce, "Monthly Report IM 145" ● Exports: Bureau of the Census, U.S. Department of Commerce, "Monthly Report EM 522" ● Consumption and Consumer Stocks: EIA, Form EIA-759, "Monthly Power Plant Report", Form EIA-3, "Quarterly Coal Consumption Report - Manufacturing Plants", Form EIA-5, "Coke Plant Report - Quarterly"; and Form EIA-6, "Coal Distribution Report"

**Table 6. Bituminous Coal and Lignite Supply and Demand: 1973-1984**  
(Thousand Short Tons)

Year and Month	Production	Domestic Consumption	Imports	Exports <sup>1</sup>	Consumer Stocks <sup>2</sup>
1973 .....	591,738	556,912	127	52,870	103,122
1974 .....	603,406	552,954	2,080	59,926	95,197
1975 .....	648,438	557,535	940	65,669	126,917
1976 .....	678,685	598,750	1,203	59,406	133,315
1977 .....	691,344	620,488	1,647	53,687	154,655
1978 .....	665,127	621,330	2,953	39,848	143,213
1979 .....	776,299	677,286	2,059	64,809	178,100
1980 .....	823,644	699,061	1,194	89,947	199,077
1981 .....	818,352	728,543	1,043	110,292	179,607
<b>1982</b>					
January ..	66,752	68,358	71	6,030	168,371
February ..	70,753	59,456	30	8,920	167,676
March ..	83,441	57,958	12	10,339	173,882
April ..	73,288	53,024	10	10,753	180,807
May ..	70,767	54,590	109	10,069	187,248
June ..	71,371	55,735	9	10,635	192,670
July ..	60,180	63,532	69	9,076	184,238
August ..	72,483	63,242	131	7,299	184,429
September ..	67,603	56,491	71	8,606	183,991
October ..	70,477	54,764	66	9,851	189,028
November ..	63,682	56,529	87	7,700	190,551
December ..	62,726	59,881	76	6,020	189,085
<b>Total .....</b>	<b>833,523</b>	<b>703,561</b>	<b>742</b>	<b>105,297</b>	<b>189,085</b>
<b>1983</b>					
January ..	<sup>n</sup> 62,454	62,774	78	4,466	185,708
February ..	<sup>n</sup> 60,394	54,472	71	4,380	185,387
March ..	<sup>n</sup> 68,553	55,223	120	6,261	186,093
April ..	<sup>n</sup> 61,552	52,555	144	6,087	187,208
May ..	<sup>n</sup> 62,916	54,107	102	6,886	190,767
June ..	<sup>n</sup> 61,445	58,049	133	7,240	190,738
July ..	<sup>n</sup> 54,904	69,266	87	6,062	174,857
August ..	<sup>n</sup> 72,891	72,736	115	8,265	168,620
September ..	<sup>n</sup> 69,927	63,085	97	7,408	167,240
October ..	<sup>n</sup> 71,340	60,198	190	7,992	172,589
November ..	<sup>n</sup> 68,272	61,150	32	5,745	172,676
December ..	<sup>n</sup> 63,354	70,235	102	6,204	162,070
<b>Total .....</b>	<b><sup>n</sup> 778,003</b>	<b>733,850</b>	<b>1,271</b>	<b>76,996</b>	<b>162,070</b>
<b>1984</b>					
January ..	<sup>n</sup> 67,869	71,699	81	5,053	155,511
February ..	<sup>n</sup> 73,684	62,812	140	4,246	161,898
March ..	<sup>n</sup> 81,587	64,888	55	5,810	166,282
April ..	<sup>n</sup> 71,711	58,648	148	7,634	173,767
May ..	<sup>n</sup> 79,826	59,919	72	8,185	183,085
June ..	<sup>n</sup> 75,293	66,431	49	7,788	185,658
July ..	74,309	NA	193	8,197	NA
August ..	89,172	NA	NA	NA	NA
September ..	78,971	NA	NA	NA	NA

<sup>1</sup> Excludes lignite until 1978

<sup>2</sup> Stocks held by coke plants, electric utility plants and the other industrial sector at the end of the period.

<sup>NA</sup> Not available.

<sup>n</sup> Revised

Note: Total may not equal sum of components because of independent rounding

Sources: • Production: Energy Information Administration (EIA) Form EIA-6, "Coal Distribution Report", and State mining agency coal production reports • Imports: Bureau of the Census, U.S. Department of Commerce, "Monthly Report IM 145" • Exports: Bureau of the Census, U.S. Department of Commerce, "Monthly Report EM 522" • Consumption and Consumer Stocks: EIA, Form EIA-759, "Monthly Power Plant Report", Form EIA-3, "Quarterly Coal Consumption Report - Manufacturing Plants"; Form EIA-5, "Coke Plant Report - Quarterly", and Form EIA-6, "Coal Distribution Report"



**Table 7. Anthracite Supply and Demand: 1973-1984**  
(Thousand Short Tons)

Year and Month	Production	Domestic Consumption	Imports	Exports	Consumer Stocks <sup>1</sup>
1973	6,830	5,672	-	717	1,214
1974	6,617	5,448	-	735	1,127
1975	6,203	5,106	-	640	1,133
1976	6,228	5,040	-	615	1,123
1977	5,861	4,803	-	625	2,444
1978	5,037	3,895	-	866	2,338
1979	4,835	3,238	-	1,233	3,546
1980	6,056	3,667	-	1,795	4,951
1981	5,423	4,084	-	2,249	5,667
1982					
January	386	335	-	147	5,560
February	416	290	-	44	5,517
March	502	278	-	84	5,602
April	299	251	-	79	5,651
May	360	253	-	41	5,678
June	349	214	-	45	5,707
July	355	296	-	106	5,759
August	415	285	-	86	5,882
September	348	244	-	77	5,976
October	375	269	-	121	6,079
November	373	302	-	107	6,149
December	410	332	-	43	6,169
Total	4,588	3,349	-	980	6,169
1983					
January	<sup>R</sup> 277	245	-	5	6,194
February	<sup>R</sup> 260	220	-	2	6,187
March	<sup>R</sup> 343	211	-	30	6,222
April	<sup>R</sup> 285	261	-	28	6,194
May	<sup>R</sup> 293	220	-	66	6,215
June	<sup>R</sup> 352	188	-	38	6,295
July	<sup>R</sup> 309	212	-	79	6,365
August	<sup>R</sup> 400	211	-	115	6,447
September	<sup>R</sup> 385	232	-	117	6,502
October	<sup>R</sup> 414	256	-	139	6,576
November	<sup>R</sup> 412	261	-	93	6,605
December	<sup>R</sup> 359	306	-	66	6,584
Total	<sup>R</sup> 4,089	2,823	-	776	6,584
1984					
January	<sup>R</sup> 284	334	-	9	6,571
February	<sup>R</sup> 249	284	-	5	6,575
March	<sup>R</sup> 278	233	-	3	6,580
April	<sup>R</sup> 228	258	-	55	6,580
May	<sup>R</sup> 377	219	-	35	6,600
June	<sup>R</sup> 293	203	-	40	6,613
July	382	NA	-	121	NA
August	458	NA	-	NA	NA
September	402	NA	-	NA	NA

<sup>1</sup> Stocks held by coke plants, electric utility plants and the other industrial sector at the end of the period

<sup>NA</sup> Not available

<sup>R</sup> Revised.

Note. Total may not equal sum of components because of independent rounding

Sources. ● Production: Energy Information Administration (EIA) Form EIA-6, "Coal Distribution Report"; and State mining agency coal production reports ● Imports: Bureau of the Census, U.S. Department of Commerce, "Monthly Report IM 145" ● Exports: Bureau of the Census, U.S. Department of Commerce, "Monthly Report EM 522" ● Consumption and Consumer Stocks: EIA, Form EIA-759, "Monthly Power Plant Report"; Form EIA-3, "Quarterly Coal Consumption Report - Manufacturing Plants"; Form EIA-5, "Coke Plant Report - Quarterly"; and Form EIA-6, "Coal Distribution Report"

**Table 8. Coal Consumption: 1973-1984**  
(Thousand Short Tons)

Year and Month	Electric Utilities	Industrial		Residential and Commercial	Total
		Coke Plants <sup>1</sup>	Other Industrial Including Transportation		
1973 .. .....	389,212	94,101	68,154	11,117	562,584
1974 ... .....	391,811	90,191	64,983	11,417	558,402
1975 .. .....	405,962	83,598	63,670	9,410	562,641
1976 ... .....	448,371	84,704	61,799	8,916	603,790
1977 ... .....	477,126	77,739	61,472	8,954	625,291
1978 .. .....	481,235	71,394	63,085	9,511	625,225
1979 ... .....	527,051	77,368	67,717	8,388	680,524
1980 .. .....	569,274	66,657	60,347	6,451	702,729
1981 .... .....	596,797	61,014	67,395	7,421	732,627
<b>1982</b>					
January . . . . .	56,825	4,444	6,430	993	68,692
February . . . . .	48,878	4,340	5,835	693	59,746
March ... . . . .	47,884	4,173	5,616	563	58,236
April ... . . . .	43,490	3,708	5,373	703	53,274
May . . . . .	45,622	3,622	5,133	467	54,844
June . . . . .	47,424	3,481	4,681	364	55,950
July . . . . .	55,248	3,121	4,831	628	63,828
August .. . . .	54,838	3,058	4,962	670	63,528
September . . . .	48,414	2,924	4,759	637	56,734
October . . . . .	46,330	2,757	5,287	660	55,034
November . . . .	47,799	2,693	5,494	845	56,831
December . . . .	50,914	2,587	5,695	1,018	60,214
<b>Total .....</b>	<b>593,666</b>	<b>40,908</b>	<b>64,097</b>	<b>8,240</b>	<b>706,911</b>
<b>1983</b>					
January . . . . .	53,351	2,813	5,970	884	63,019
February . . . . .	45,772	2,742	5,405	773	54,692
March . . . . .	47,110	2,567	5,206	551	55,434
April . . . . .	43,589	3,206	5,254	767	52,816
May . . . . .	45,691	3,151	5,023	463	54,327
June . . . . .	50,338	2,734	4,798	367	58,237
July . . . . .	60,390	3,269	5,220	599	69,478
August .. . . .	63,767	3,252	5,362	566	72,947
September . . . .	54,212	3,196	5,156	752	63,317
October .. . . .	50,689	3,307	5,659	799	60,454
November .. . . .	51,185	3,335	6,046	845	61,411
December . . . .	59,117	3,461	6,880	1,082	70,541
<b>Total .....</b>	<b>625,211</b>	<b>37,033</b>	<b>65,980</b>	<b>8,448</b>	<b>736,672</b>
<b>1984</b>					
January . . . . .	60,224	3,791	6,942	1,076	72,033
February . . . . .	52,257	3,592	6,305	942	63,096
March . . . . .	54,534	3,843	6,072	672	65,121
April . . . . .	47,553	4,180	6,245	928	58,906
May .. . . .	49,507	4,100	5,971	560	60,138
June . . . . .	56,923	3,584	5,704	443	66,634
July . . . . .	60,359	NA	NA	NA	NA

<sup>1</sup> Bituminous coal and anthracite only

NA Not available

Note: Total may not equal sum of components because of independent rounding

Sources: Energy Information Administration (EIA) • Electric Utilities: Form EIA-759, "Monthly Power Plant Report" • Coke Plants: Form EIA-5, "Coke Plant Report - Quarterly" • Other Industrial: Form EIA-3, "Quarterly Coal Consumption Report - Manufacturing Plants" and Form EIA-6, "Coal Distribution Report" • Residential and Commercial: Form EIA-6, "Coal Distribution Report."

**Table 9. Bituminous Coal and Lignite Consumption: 1973-1984**  
(Thousand Short Tons)

Year and Month	Electric Utilities	Industrial		Residential and Commercial	Total
		Coke Plants <sup>1</sup>	Other Industrial Including Transportation		
<b>1973</b>	387,769	93,634	67,309	8,200	556,912
<b>1974</b>	390,313	89,747	64,054	8,840	552,954
<b>1975</b>	404,483	83,272	62,498	7,282	557,535
<b>1976</b>	447,021	84,324	60,505	6,900	598,750
<b>1977</b>	475,701	77,369	60,398	7,020	620,488
<b>1978</b>	480,171	71,078	62,167	7,914	621,330
<b>1979</b>	526,005	77,009	67,141	7,131	677,286
<b>1980</b>	568,322	66,493	59,322	4,924	699,061
<b>1981</b>	595,575	60,888	66,639	5,440	728,543
<b>1982</b>					
January	56,737	4,437	6,366	818	68,358
February	48,795	4,334	5,792	535	59,456
March	47,811	4,165	5,571	411	57,958
April	43,403	3,704	5,328	589	53,024
May	45,523	3,616	5,087	364	54,590
June	47,330	3,476	4,635	294	55,735
July	55,140	3,118	4,784	490	63,532
August	54,742	3,056	4,914	530	63,242
September	48,348	2,922	4,712	509	56,491
October	46,248	2,755	5,241	520	54,764
November	47,699	2,691	5,444	695	56,529
December	50,814	2,586	5,638	843	59,881
<b>Total</b>	<b>592,591</b>	<b>40,859</b>	<b>63,513</b>	<b>6,598</b>	<b>703,561</b>
<b>1983</b>					
January	53,279	2,810	5,930	755	62,774
February	46,699	2,740	5,380	653	54,472
March	47,035	2,565	5,178	445	55,223
April	43,497	3,204	5,219	635	52,555
May	45,588	3,149	4,990	382	54,107
June	50,250	2,732	4,766	301	58,049
July	60,301	3,267	5,189	509	69,266
August	63,675	3,250	5,330	481	72,736
September	54,127	3,194	5,125	639	63,085
October	50,598	3,304	5,625	671	60,198
November	51,099	3,332	6,009	710	61,150
December	59,030	3,458	6,838	909	70,236
<b>Total</b>	<b>624,175</b>	<b>37,005</b>	<b>65,581</b>	<b>7,090</b>	<b>733,850</b>
<b>1984</b>					
January	60,126	3,787	6,882	904	71,699
February	52,182	3,588	6,251	791	62,812
March	54,465	3,839	6,020	564	64,888
April	47,470	4,177	6,209	792	58,648
May	49,408	4,097	5,936	478	59,919
June	56,821	3,561	5,671	378	66,431
July	60,259	NA	NA	NA	NA

<sup>1</sup> Bituminous coal only

<sup>NA</sup> Not available

Note: Total may not equal sum of components because of independent rounding

Sources: Energy Information Administration (EIA) • Electric Utilities: Form EIA-759, "Monthly Power Plant Report" • Coke Plants: Form EIA-5, "Coke Plant Report - Quarterly" • Other Industrial: Form EIA-3, "Quarterly Coal Consumption Report - Manufacturing Plants" and Form EIA-6, "Coal Distribution Report" • Residential and Commercial: Form EIA-6, "Coal Distribution Report."

**Table 10. Anthracite Consumption: 1973-1984**  
(Thousand Short Tons)

Year and Month	Electric Utilities	Industrial		Residential and Commercial	Total
		Coke Plants	Other Industrial Including Transportation		
<b>1973</b> .....	1,443	467	845	2,917	5,672
<b>1974</b> .....	1,498	444	929	2,577	5,448
<b>1975</b> .....	1,480	326	1,172	2,128	5,106
<b>1976</b> .....	1,350	380	1,294	2,016	5,040
<b>1977</b> .....	1,425	370	1,074	1,934	4,803
<b>1978</b> .....	1,064	316	918	1,597	3,895
<b>1979</b> .....	1,046	359	576	1,257	3,238
<b>1980</b> .....	951	163	1,025	1,528	3,667
<b>1981</b> .....	1,221	126	756	1,981	4,084
<b>1982</b>					
January	89	7	64	175	335
February	83	6	43	158	290
March	73	8	45	152	278
April	88	4	45	114	251
May	98	6	46	103	253
June	94	5	46	69	214
July	108	3	47	138	296
August	95	2	48	140	285
September	67	2	47	128	244
October	81	2	46	140	269
November	100	2	50	150	302
December	99	1	57	175	332
<b>Total</b> .....	<b>1,075</b>	<b>48</b>	<b>584</b>	<b>1,642</b>	<b>3,349</b>
<b>1983</b>					
January	73	3	40	129	245
February	73	2	25	120	220
March	75	2	28	106	211
April	92	2	35	132	261
May	104	2	33	81	220
June	88	2	32	66	188
July	89	2	31	90	212
August	92	2	32	85	211
September	86	2	31	113	232
October	91	3	34	128	256
November	86	3	37	135	261
December	88	3	42	173	306
<b>Total</b> .....	<b>1,036</b>	<b>28</b>	<b>399</b>	<b>1,358</b>	<b>2,823</b>
<b>1984</b>					
January	98	4	60	172	334
February	75	4	54	151	284
March	69	4	52	108	233
April	83	3	36	136	258
May	99	3	35	82	219
June	102	3	33	65	203
July	100	NA	NA	NA	NA

<sup>NA</sup> Not available.

Note Total may not equal sum of components because of independent rounding

Sources Energy Information Administration (EIA) • Electric Utilities Form EIA-759, "Monthly Power Plant Report" • Coke Plants Form EIA-5, "Coke Plant Report - Quarterly" • Other Industrial Form EIA-3, "Quarterly Coal Consumption Report - Manufacturing Plants" and Form EIA-6, "Coal Distribution Report" • Residential and Commercial Form EIA-6, "Coal Distribution Report."

**Table 11. Coal Stocks<sup>1</sup>: 1973-1984**  
(Thousand Short Tons)

Year and Month	Consumers				Producers and Distributors
	Electric Utilities	Coke Plants <sup>2</sup>	Other Industrial <sup>3</sup>	Total	
1973	86,967	6,998	10,370	104,335	NA
1974	83,509	6,209	6,605	96,323	NA
1975	110,724	8,797	8,529	128,050	NA
1976	117,436	9,902	7,100	134,438	NA
1977	133,219	12,816	11,063	157,098	NA
1978	128,225	8,278	9,048	145,551	NA
1979	159,714	10,155	11,777	181,646	20,826
1980	183,010	9,067	11,951	204,028	24,379
1981	168,893	6,475	9,906	185,274	24,149
1982					
January	158,469	6,207	9,255	173,931	27,098
February	158,136	5,909	9,148	173,193	30,047
March	164,518	5,612	9,354	179,484	32,995
April	171,390	5,931	9,137	186,458	34,289
May	177,461	6,231	9,234	192,926	36,154
June	182,513	6,532	9,331	198,377	36,876
July	174,503	6,166	9,328	189,997	38,258
August	175,194	5,800	9,316	190,310	38,972
September	175,225	5,434	9,308	189,967	39,678
October	180,571	5,171	9,365	195,107	38,719
November	182,368	4,908	9,424	196,700	37,752
December	181,132	4,642	9,479	195,254	36,784
1983					
January	178,604	4,338	8,960	191,902	37,823
February	179,101	4,034	8,439	191,574	38,836
March	180,671	3,728	7,916	192,315	39,867
April	181,371	4,089	7,942	193,402	38,165
May	184,567	4,450	7,965	196,982	38,462
June	184,236	4,812	7,985	197,033	37,761
July	168,566	4,489	8,167	181,222	36,909
August	162,557	4,165	8,345	175,067	36,079
September	161,384	3,842	8,518	173,743	35,249
October	166,574	4,010	8,581	179,166	34,810
November	166,457	4,178	8,645	179,281	34,370
December	155,598	4,346	8,710	168,654	33,931
1984					
January	148,723	4,947	8,412	162,082	34,017
February	154,811	5,548	8,114	168,473	34,103
March	158,897	6,149	7,816	172,862	34,189
April	164,597	7,171	8,579	180,347	33,043
May	172,150	8,193	9,342	189,685	31,897
June	172,949	9,217	10,105	192,271	30,750
July	169,737	NA	NA	NA	NA

<sup>1</sup> Reported as of last day of period

<sup>2</sup> Bituminous coal and anthracite only

<sup>3</sup> Manufacturing plants only

<sup>NA</sup> Not available.

Note. Total may not equal sum of components because of independent rounding.

Sources. Energy Information Administration (EIA) • Electric Utilities: Form EIA-759, "Monthly Power Plant Report" • Coke Plants: Form EIA-5, "Coke Plant Report - Quarterly" • Other Industrial: Form EIA-3, "Quarterly Coal Consumption Report - Manufacturing Plants" • Producer and Distributor: Form EIA-6, "Coal Distribution Report"

**Table 12. Bituminous Coal and Lignite Stocks<sup>1</sup>: 1973-1984**  
(Thousand Short Tons)

Year and Month	Consumers				Producers and Distributors
	Electric Utilities	Coke Plants <sup>2</sup>	Other Industrial <sup>3</sup>	Total	
<b>1973</b> .....	85,902	6,875	10,345	103,122	NA
<b>1974</b> .....	82,580	6,037	6,580	95,197	NA
<b>1975</b> .....	109,742	6,671	8,504	126,917	NA
<b>1976</b> .....	116,436	9,804	7,075	133,315	NA
<b>1977</b> .....	130,899	12,721	11,035	154,655	NA
<b>1978</b> .....	126,047	8,162	9,004	143,213	NA
<b>1979</b> .....	156,440	10,028	11,632	178,100	20,267
<b>1980</b> .....	178,269	9,017	11,791	199,077	23,947
<b>1981</b> .....	163,356	6,446	9,805	179,607	23,780
<b>1982</b>					
January .....	153,032	6,181	9,158	168,371	26,695
February .....	152,735	5,887	9,054	167,676	29,611
March .....	159,030	5,594	9,258	173,882	32,527
April .....	165,848	5,914	9,045	180,807	33,769
May .....	171,892	6,216	9,140	187,248	35,583
June .....	176,911	6,518	9,241	192,670	36,254
July .....	168,845	6,153	9,240	184,238	37,630
August .....	169,403	5,788	9,238	184,429	38,340
September .....	169,329	5,422	9,240	183,991	39,042
October .....	174,579	5,157	9,292	189,028	38,071
November .....	176,308	4,892	9,351	190,551	37,092
December .....	175,053	4,625	9,407	189,085	36,112
<b>1983</b>					
January .....	172,497	4,323	8,888	185,708	37,128
February .....	172,997	4,021	8,369	185,387	38,144
March .....	174,528	3,718	7,847	186,093	39,161
April .....	175,251	4,080	7,877	187,208	38,485
May .....	178,422	4,442	7,903	190,767	37,808
June .....	178,006	4,805	7,927	190,738	37,132
July .....	162,267	4,481	8,109	174,857	36,337
August .....	156,177	4,156	8,287	168,620	35,543
September .....	154,948	3,831	8,461	167,240	34,750
October .....	160,068	4,000	8,521	172,589	34,311
November .....	159,927	4,168	8,581	172,676	33,872
December .....	149,091	4,337	8,642	162,070	33,433
<b>1984</b>					
January .....	142,223	4,939	8,349	155,511	33,499
February .....	148,301	5,541	8,056	161,898	33,565
March .....	152,378	6,142	7,762	166,282	33,632
April .....	158,082	7,161	8,524	173,767	32,486
May .....	165,619	8,180	9,206	183,085	31,340
June .....	166,408	9,201	10,049	185,658	30,192
July .....	163,207	NA	NA	NA	NA

<sup>1</sup> Reported as of last day of period

<sup>2</sup> Bituminous coal only

<sup>3</sup> Manufacturing plants only.

NA Not available.

Note. Total may not equal sum of components because of independent rounding

Sources: Energy Information Administration (EIA) • Electric Utilities: Form EIA-759, "Monthly Power Plant Report" • Coke Plants: Form EIA-5, "Coke Plant Report - Quarterly" • Other Industrial: Form EIA-3, "Quarterly Coal Consumption Report - Manufacturing Plants" • Producer and Distributor: Form EIA-6, "Coal Distribution Report."

**Table 13. Anthracite Stocks<sup>1</sup>: 1973-1984**  
(Thousand Short Tons)

Year and Month	Consumers				Producers and Distributors
	Electric Utilities	Coke Plants	Other Industrial <sup>2</sup>	Total	
1973 .....	1,066	123	25	1,214	NA
1974 .....	930	172	25	1,127	NA
1975 .....	982	126	25	1,133	NA
1976 .....	1,000	98	25	1,123	NA
1977 .....	2,321	95	28	2,444	NA
1978 .....	2,178	116	44	2,338	NA
1979 .....	3,274	127	145	3,546	559
1980 .....	4,741	50	160	4,951	432
1981 .....	5,537	29	101	5,667	370
1982					
January .....	5,437	26	97	5,560	403
February .....	5,401	22	94	5,517	436
March .....	5,488	18	96	5,602	469
April .....	5,542	17	92	5,651	520
May .....	5,569	15	94	5,678	571
June .....	5,603	14	90	5,707	622
July .....	5,658	13	88	5,759	628
August .....	5,791	13	78	5,882	632
September .....	5,896	12	68	5,976	636
October .....	5,992	14	73	6,079	648
November .....	6,060	16	73	6,149	660
December .....	6,080	17	72	6,169	672
1983					
January .....	6,107	15	72	6,194	695
February .....	6,104	13	70	6,187	692
March .....	6,143	10	69	6,222	706
April .....	6,120	9	65	6,194	680
May .....	6,145	8	62	6,215	654
June .....	6,230	7	58	6,295	629
July .....	6,299	8	58	6,365	572
August .....	6,380	9	58	6,447	536
September .....	6,435	10	57	6,502	499
October .....	6,506	10	60	6,576	499
November .....	6,531	10	64	6,605	498
December .....	6,507	9	68	6,584	498
1984					
January .....	6,500	8	63	6,571	517
February .....	6,510	7	58	6,575	536
March .....	6,519	7	54	6,580	557
April .....	6,515	10	55	6,580	557
May .....	6,531	13	56	6,600	557
June .....	6,541	16	56	6,613	558
July .....	6,530	NA	NA	NA	NA

<sup>1</sup> Reported as of last day of period

<sup>2</sup> Manufacturing plants only.

NA Not available.

Note Total may not equal sum of components because of independent rounding

Sources: Energy Information Administration (EIA) • Electric Utilities: Form EIA-759, "Monthly Power Plant Report" • Coke Plants: Form EIA-5, "Coke Plant Report - Quarterly" • Other Industrial: Form EIA-3, "Quarterly Coal Consumption Report - Manufacturing Plants" • Producer and Distributor: Form EIA-6, "Coal Distribution Report"

**Table 14. Coal Exports: 1973-1984**  
(Thousand Short Tons)

Year and Month	Bituminous			Lignite <sup>1</sup>	Anthracite	Coke	Briquettes
	Metallurgical	Steam <sup>2</sup>	Total				
1973 . . . . .	42,607	10,263	52,870	NA	717	1,395	<sup>3</sup> 7
1974 . . . . .	51,594	8,332	59,926	NA	735	1,278	<sup>3</sup> 48
1975 . . . . .	51,597	14,072	65,669	NA	640	1,273	<sup>3</sup> 16
1976 . . . . .	47,804	11,602	59,406	NA	615	1,315	<sup>3</sup> 19
1977 . . . . .	41,891	11,796	53,687	NA	625	1,241	<sup>3</sup> 21
1978 . . . . .	30,240	9,585	39,825	23	866	693	60
1979 . . . . .	50,698	14,085	64,783	26	1,233	1,440	17
1980 . . . . .	63,103	26,779	89,882	65	1,795	2,071	34
1981 . . . . .	65,234	45,010	110,243	49	2,249	1,170	70
1982							
January	4,717	1,311	6,029	1	147	43	(*)
February	7,090	1,828	8,918	2	44	101	9
March . . .	7,886	2,449	10,335	4	84	85	1
April . . .	6,426	4,316	10,742	11	79	32	(*)
May . . .	5,984	4,073	10,057	11	41	131	1
June . . .	6,277	4,349	10,626	9	45	149	19
July	5,392	3,679	9,071	5	106	124	(*)
August	4,035	3,258	7,293	5	86	55	1
September	4,346	4,256	8,603	3	77	129	56
October . .	5,546	4,305	9,850	1	121	57	(*)
November .	3,670	4,030	7,700	(*)	107	60	33
December .	3,216	2,804	6,020	(*)	43	29	(*)
Total . . . . .	64,585	40,659	105,244	63	980	993	119
1983							
January	3,231	1,234	4,465	1	5	56	(*)
February . .	3,121	1,255	4,376	3	2	43	4
March . . . .	4,250	2,008	6,258	4	30	32	6
April . . . .	3,808	2,269	6,077	10	28	96	(*)
May . . . . .	3,593	3,284	6,877	9	66	68	1
June . . . . .	4,605	2,626	7,231	10	38	36	23
July . . . . .	3,627	2,416	6,043	18	79	67	6
August . . . .	5,582	2,669	8,251	13	115	27	16
September . .	4,974	2,419	7,393	15	117	40	6
October . . . .	5,123	2,856	7,978	14	139	44	1
November . . .	3,742	1,984	5,726	19	93	42	1
December . . .	4,308	1,886	6,194	10	66	114	44
Total . . . . .	49,964	26,905	76,870	126	776	665	108
1984							
January . . . .	4,227	826	5,053	(*)	9	42	(*)
February . . . .	3,824	419	4,243	3	5	20	(*)
March . . . . .	4,774	1,035	5,809	(*)	3	42	4
April . . . . .	5,305	2,329	7,633	(*)	55	61	23
May . . . . .	5,521	2,664	8,185	(*)	35	67	8
June . . . . .	5,511	2,277	7,787	(*)	40	106	16
July . . . . .	4,987	3,209	8,197	(*)	121	92	30
Year to Date . . . . .	34,148	12,759	46,908	5	268	431	81

<sup>1</sup> Includes drilling mud containing lignite

<sup>2</sup> Includes subbituminous coal

<sup>3</sup> Includes lignite.

NA Not available.

(\*) Rounded to zero.

Note: Total may not equal sum of components because of independent rounding

Source: Bureau of the Census, U.S. Department of Commerce, "Monthly Report EM 522."



**Table 15. Coal Imports: 1973-1984**  
(Thousand Short Tons)

Year and Month	Bituminous <sup>1</sup>	Coke	Briquettes
1973 ... ..	127	1,078	7
1974 ....	2,080	3,540	48
1975 . . . . .	940	1,819	16
1976 .... ..	1,203	1,311	19
1977 . . . . .	1,647	1,829	21
1978 .. . . .	2,953	5,722	81
1979 ..... .	2,059	3,974	26
1980 ..... ..	1,194	659	33
1981 ..... ..	1,043	527	19
1982			
January	71	26	13
February	30	44	2
March	12	4	(*)
April	10	4	(*)
May	109	32	(*)
June	9	3	1
July	69	1	(*)
August	131	1	(*)
September	71	1	1
October	66	1	1
November	87	1	2
December	76	1	1
Total .. .	742	120	22
1983			
January	78	1	1
February	71	1	(*)
March	120	2	(*)
April	144	1	(*)
May	102	1	5
June	133	1	1
July	87	2	3
August	115	2	2
September	97	2	3
October	190	14	2
November	32	4	1
December	102	3	(*)
Total ..... .	1,271	35	20
1984			
January	81	72	(*)
February	140	101	(*)
March	55	3	-
April	148	44	(*)
May	72	44	(*)
June	49	8	(*)
July	193	54	(*)
Year to Date .....	737	327	1

<sup>1</sup> Includes lignite

(\*) Rounded to zero

Note. Total may not equal sum of components because of independent rounding

Source: Bureau of the Census, U.S. Department of Commerce, "Monthly Report IM 145"

# Methodology

## Methodology

The methodology for making weekly estimates of coal production and monthly estimates of coal production, consumption, and stocks is described here.

### Production

Coal production estimates by State are published in this report for the current week. The EIA also publishes monthly estimates of total coal production in the *Monthly Energy Review* (DOE/EIA-0035) and quarterly production data by State in the *Quarterly Coal Report* (DOE/EIA-0121).

### Weekly Data

Estimates of national weekly coal production are based on weekly data obtained from the Association of American Railroads (AAR). The AAR collects data from its members (Class I Railroads) and certain other railroads on the number of railroad cars loaded with coal each week. These carload figures are converted to tons by EIA.

EIA calculates the average number of tons per carload for each railroad's coal car fleet from information obtained from the most recent Quarterly Freight Commodity Statistics filed by Class I Railroads with the Interstate Commerce Commission. The average tons per carload is then multiplied by the number of cars loaded to obtain an estimate of weekly production shipped by rail.

To obtain an estimate of total coal production for a specific week, the total rail tonnage for the week is divided by a factor representing the proportion of all tons produced for the quarter that were shipped by rail. Because data for the current quarter are not available, data for the same quarter in the previous year are used. The rationale for using the same quarter is to reflect seasonal variation in coal production. Occasionally, the ratio of rail traffic to total production is adjusted to take additional, more current information into consideration. For example, in determining the ratio for the first quarter of 1983, the percentage obtained for 1982 data was increased by one percentage point to reflect an apparent decline in producers' and distributors' stock levels.

Once the estimate of U.S. total coal production for the week is determined, this total is split into two subtotals - the sum of anthracite and of States with little or no rail coal shipments and the sum of the remaining States - using the current quarterly State-level coal production projections. The methodology used to project State

coal production is given in the EIA publication *Model Documentation of the Short-Term Coal Analysis System (SCOAL)* (DOE/EIA-0394). First, for each State the ratio of State production projected for the current quarter divided by total U.S. production projected for the current quarter is determined. Next these ratios are multiplied by the weekly estimate of U.S. total coal production to arrive directly at the weekly coal production estimate for the six (6) coal-producing States of Alaska, Arizona, Georgia, Iowa, Texas, and Washington where there is little or no railroad coal shipments information and for the Pennsylvania anthracite production estimate. The remaining 19 States and Pennsylvania bituminous area are derived from weekly carload data provided by AAR and from information received annually from the Federal Railroad Administration (FRA), U.S. Department of Transportation. The data provided by the FRA are from its Carload Waybill Statistics survey which shows the approximate annual coal tonnage originated on the major coal-hauling railroads in each State.

Each railroad's share of rail traffic originating in States it served in the base year (currently the 1982 FRA data) are applied to the current week's tonnage derived from total system carloading reports filed with the AAR. The tonnages loaded by the various railroads are then totaled for each State to determine total production shipped by rail for that State. The tonnages are then divided by the base year's ratio of rail tonnage (derived from the waybill sample) to total production for each State. The resulting weekly production estimates for these States are totaled and compared with the national weekly coal production estimate which was derived as previously stated less estimates of production for the six nonrail States, and Pennsylvania anthracite area. The difference between the sum of production of the 20 States with rail traffic, and the sum of production in these States derived from the national production estimate, is distributed proportionately among the 20 States using the tonnage distribution for the current week determined from the waybill data to determine the weekly coal production estimate for each of these 20 States.

The rationale for using the waybill data for these 20 States rather than using the SCOAL projected production data is that with the waybill data, the State level production estimates for these 20 States are sensitive to changes in individual railroad loadings due to strikes or holidays.

### Monthly Data

Preliminary estimates of monthly coal production by State are the sum of weekly coal production estimates

published in this report. If a week extends into a new month, the production is allocated by day, and the days are added to the month in which they occur. The allocation is Monday through Friday, 18.4 percent each day; Saturday, 8.0 percent, and Sunday, 0.0 percent.

### **Quarterly Data**

Preliminary weekly and monthly production estimates are revised quarterly when quarterly production reported on the *Coal Distribution Report*, Form EIA-6, becomes available. Preliminary weekly and monthly estimates are proportionately adjusted to conform to the quarterly production figure. The national estimate of quarterly coal production as reported on Form EIA-6 is adjusted by one percent to derive the quarterly U.S. coal production total. The one percent increase is entirely assigned to the Appalachian region, giving an adjusted total for this region. Such an adjustment is required because production reported on Form EIA-6 has consistently been one percent below the final U.S. coal production level with all of the unreported tonnage confined to East Kentucky in the Appalachian region. Quarterly State production figures are determined as follows:

### **Appalachian Region**

Quarterly production for the Appalachian Region States is equated to the production reported on Form EIA-6 for the Appalachian Region (i.e. coal-producing Districts 1-4, 6-8, 13, 24) plus one percent of the U.S. total production as reported on Form EIA-6. Quarterly production in Georgia, Ohio, and Pennsylvania (anthracite only) can be identified from Form EIA-6 reports. A report of quarterly coal production in Alabama is obtained from that State's mining agency. Initial estimates of monthly production in Alabama, Georgia, Pennsylvania anthracite, and Ohio are adjusted to conform to these new quarterly production levels. Quarterly production in Maryland, Pennsylvania (bituminous) and West Virginia are derived from monthly State coal production reports. Initial monthly estimates of production in Maryland, Pennsylvania (bituminous) and West Virginia are revised to conform to monthly reports of production from mining agencies in these States. Since production in Eastern Kentucky, Tennessee, and Virginia cannot be determined from Form EIA-6 and is not available from mining agencies in these States, initial estimates of quarterly production are not revised except for Eastern Kentucky. Quarterly coal production for Eastern Kentucky is equated to the adjusted total for the Appalachian Region minus the revised quarterly production totals for the other States in the Region.

### **Interior Region**

Quarterly production for the Interior Region States is equated to the production reported on Form EIA-6 for

the Interior Region (i.e. Coal Producing Districts 9-12, 14 and 15). Quarterly coal production in Illinois, Indiana, Iowa, Western Kentucky, and Texas can be identified from Form EIA-6 reports. Initial estimates of monthly production in these States are adjusted to conform to these quarterly levels. Production data for Arkansas, Kansas, Missouri, and Oklahoma is not available from Form EIA-6 or from State mining agencies, hence, initial estimates of quarterly production are not revised for Arkansas, Kansas, and Missouri. Oklahoma quarterly production is equated to the total for the Interior Region minus the sum of the revised quarterly production figures for the other States in the Region.

### **Western Region**

Quarterly production for the Western Region States is equated to the production reported on Form EIA-6 for the Western Region (i.e. Coal Producing Districts 16-23). Quarterly production in all States can be identified from Form EIA-6 reports. Initial estimates of monthly production in Alaska, Arizona, Colorado, Montana, New Mexico, North Dakota, Utah, Washington, and Wyoming are adjusted to conform to the quarterly production as reported on Form EIA-6.

### **Finalizing of Annual Production**

Preliminary total annual U.S. coal production as reported in the WCP in the first week in January of the following year is the sum of revised monthly/quarterly estimates of production for the first nine months (first three quarters) and preliminary estimates of production derived from weekly estimates during the fourth quarter. When production data for the fourth quarter of the year become available from Form EIA-6 in March of the following year, the preliminary fourth quarter U.S. total production figure and the preliminary State-level corresponding production figures may or may not be revised depending upon whether the difference between the estimates and fourth quarter data are small or not. EIA attempts to limit revisions to the initial annual production estimates (determined initially in January of the following year) until production data is finalized in September of the following year. In some cases, quarterly, monthly, or weekly estimates may be revised without revisions to U.S. total estimates due to available monthly or quarterly State coal production reports.

Weekly, monthly and quarterly State and national production data are adjusted to conform with finalized annual production in September of the following year.

### **Consumption**

Estimates of coal consumption are published in this report on a monthly basis. The EIA also publishes monthly estimates of coal consumption in the *Monthly Energy Review* (DOE/EIA-0035) and quarterly consumption

data in the *Quarterly Coal Report* (DOE/EIA-0121) report

### Monthly Data

Coal consumption at electric utility plants is derived directly from the *Monthly Power Plant Report*, Form EIA-759. Prior to 1980, monthly coal consumption at coke plants was derived directly the *Coke Plant Report*, Form EIA-5. For 1980 and subsequent years, monthly coal consumption at coke plants is derived from the quarterly coal consumption reported on Form EIA-5. These quarterly coal consumption figures are converted to monthly coal consumption figures using the ratios of monthly to quarterly consumption in 1979, the last year that coke plant data were collected monthly on Form EIA-5. These ratios by month (January-December) are: 0.3377, 0.3200, 0.3423; 0.3529, 0.3462, 0.3009; 0.3364, 0.3347, 0.3289; and 0.3273, 0.3301, 0.3426.

Prior to 1978, coal consumption for the *Other Industrial* sector (i.e., industrial users minus coke plants) was derived by using monthly data reported on the *Quarterly Coal Consumption Report - Manufacturing Plants*, Form EIA-3, to modify baseline coal consumption figures from the most recent Census of Manufacturers or Annual Survey of Manufacturers, Bureau of the Census, U.S. Department of Commerce. For 1978 and subsequent years, data from Forms EIA-3 and EIA-6 are used to compute monthly coal consumption for the *Other Industrial* sector.

Given the quarterly consumption for the *Other Industrial* sector (C), the monthly consumption for the sector (Cm) can be estimated for each month in the quarter as  $C_m = (C_{m3}/C_3) \times C$  where  $C_{m3}/C_3$  is the ratio of monthly to quarter coal consumption as reported on Form EIA-3. For the 1978 coal consumption figures, the ratios used are based on 1978 EIA-3 data. For 1979 and subsequent years, the ratios used are based on the 1979 EIA-3 data. These 1979 ratios by month (January-December) are: 0.3593, 0.3264, 0.3143; 0.3485, 0.3332, 0.3183; 0.3317, 0.3407, 0.3276; and 0.3045, 0.3253, 0.3702.

Prior to 1980, monthly coal consumption for the residential and commercial sector was derived by using monthly data reported on Form EIA-2, *Monthly Coal Report - Retail Dealers and Upper Lake Docks*, to modify baseline coal consumption figures developed by the Bureau of Mines, U.S. Department of the Interior.

For 1980, the quarterly coal consumption figures in the residential and commercial sector are equated to quarterly coal distribution as reported on Form EIA-6. These quarterly coal consumption figures are converted to monthly coal consumption figures using the ratios of monthly to quarterly coal deliveries to this sector in 1979 as reported on Form EIA-2. These 1979 ratios by

month (January-December) are: 0.4002, 0.3502, 0.2496; 0.4805, 0.2901, 0.2294, 0.3126, 0.2952, 0.3922; and 0.2931, 0.3101, 0.3968. The 1981 and 1982 monthly coal consumption figures were derived using the 1979 ratios but were also modified according to an temperature degree-days. For 1983 and subsequent years, coal consumption figures are converted to monthly coal consumption figures using only the ratios of monthly to quarterly coal deliveries to this sector in 1979.

### Quarterly Data

Coal consumption data are derived for each end-use sector as follows:

*Electric Utilities* - Consumption is reported on Form EIA-759.

*Coke Plants* - Consumption is reported on Form EIA-5.

*Other Industrial* - In deriving a quarterly estimate for coal consumption for the *Other Industrial* sector, the first step is to equate consumption to beginning stocks plus receipts minus ending stocks. In terms of an equation, consumption can be expressed as:  $C = S_b + R - S_e$  where  $S_b$  = beginning stocks,  $R$  = receipts, and  $S_e$  = ending stocks.

From the above equation, consumption is:  $C = (S_b - S_e \text{ (change in stocks)}) + R$ . Next, stock change at the State level is equated to the stock change for that State as reported on Form EIA-3, receipts at the State level are derived as described in Section 3 above and a computed consumption is derived using the equation above for each State. Finally, the quarterly consumptions (C) at the State level are equated to the maximum of the computed consumption at the State level as described above and the quarterly consumption for that State as reported on Form EIA-3. This process ensures that State level consumption for the *Other Industrial* sector is always greater than or equal to the *Manufacturing* sector consumption for that State. Total quarterly consumption for the *Other Industrial* sector is computed by summing the quarterly State level consumption figures. (Consumption presented by Standard Industrial Classification (SIC) Codes is reported on Form EIA-3, i.e. by *manufacturing* plants only.) See Technical Note 1 above, which discusses the difference between *other industrials* and *manufacturers*.

*Residential and Commercial* - Shipments to the *residential and commercial* sector are reported on Form EIA-6 and are defined as consumption for this end-use sector. (*Residential and commercial* consumption is equal to *residential and commercial* receipts.)

### Stocks

Estimates of coal stocks are published in this report on a monthly basis. The EIA also publishes monthly estimates of coal stocks in the *Monthly Energy Review*

(DOE/EIA-0035) and quarterly stocks data in the *Quarterly Coal Report* (DOE/EIA-0121) report.

### **Monthly Data**

Coal stocks at electric utility plants are derived directly from Form EIA-759. Prior to 1980, coal stocks at coke plants were derived directly from Form EIA-5. For 1980 and subsequent years, monthly coal stocks at coke plants were obtained from stock levels reported at the end of each quarter on Form EIA-5. The stock level at the end of the first month of a quarter at coke plants is equal to ending stocks as reported on Form EIA-5 for the previous quarter plus (minus) one-third of the current quarterly stock increase (decrease). The stock level at the end of the second quarter is equal to the stock level at the end the first month plus (minus) one-third of the current quarterly stock increase (decrease). The stock level at the end of the third month is equal to the stock level at the end of the current quarter.

Prior to 1978, coal stocks for the *Other Industrial* sector (i.e. industrial users minus coke plants) were derived by using monthly data reported on Form EIA-3, to modify baseline coal stock figures from a one-time survey of coal consumers by the Bureau of the Mines, U.S. Department of the Interior. For 1978 and subse-

quent years, the data source for stocks in the *Other Industrial* sector is Form EIA-3. Quarterly stock changes in period of 1978-1982 were judgmentally apportioned by month based on seasonal influences on supply and demand for coal in steam-coal markets. For 1983 and subsequent years, quarterly stock changes reported on Form EIA-3 are apportioned by month in the same manner as described for coke plants in the preceding paragraph.

### **Quarterly Data**

Coal stocks are derived for each end-use sector as follows:

*Electric Utilities* - Stocks are reported on Form EIA-759.

*Coke Plants* - Stocks are reported on Form EIA-5.

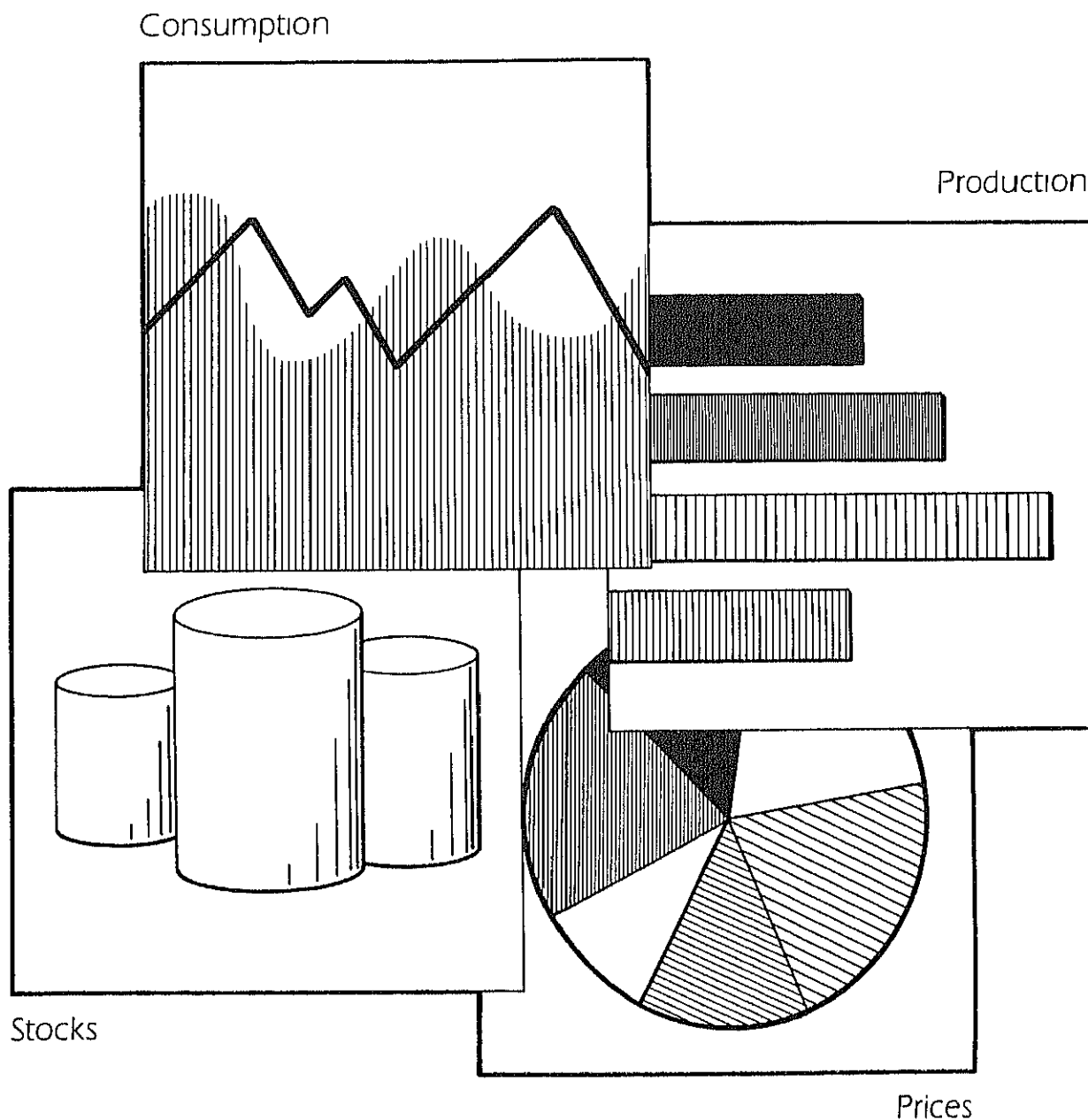
*Other Industrial* - Stocks are reported on Form EIA-3, i.e., stocks at *manufacturing* plants only. See Technical Note 1 above, which discusses the difference between *other industrials* and *manufacturers*.

*Residential and Commercial* - not available. See Technical Note 2 above.

*Producer and Distributor* - Stocks are reported on Form EIA-6.

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